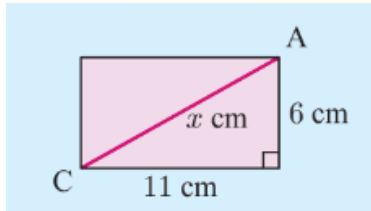
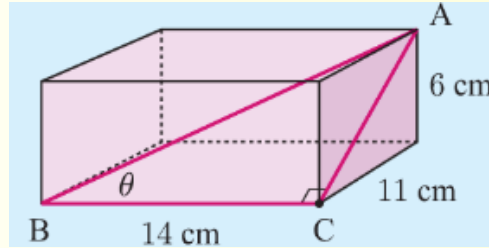
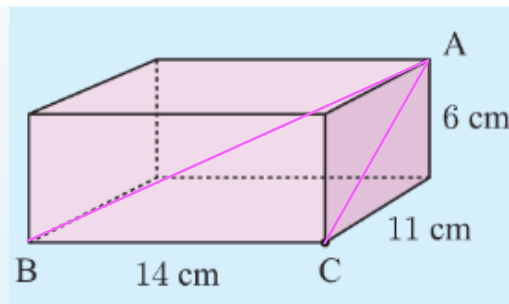


Warm Up # 7-1

1. Find x , (AC)2. Use AC, Find θ 

From the warm up, you now have a way to find the diagonal of the rectangular prism!



HW Questions: p. 407

6 $3x + ky = 7$ and $y = 3 - 4x$ are the equations of two lines.

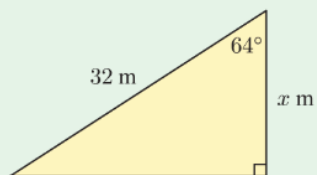
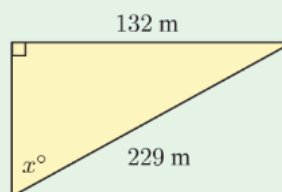
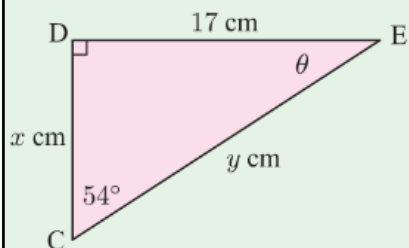
Find k if the lines are:

a parallel

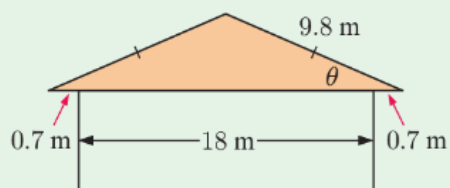
b perpendicular.

9 Find the equation of the perpendicular bisector of the line segment joining $P(7, -1)$ and $Q(-3, 5)$.

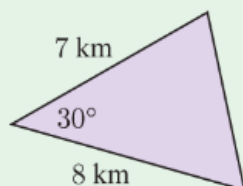
p. 478

2 Find the value of x :**a****b****3** Find the measure of all unknown sides and angles in triangle CDE:

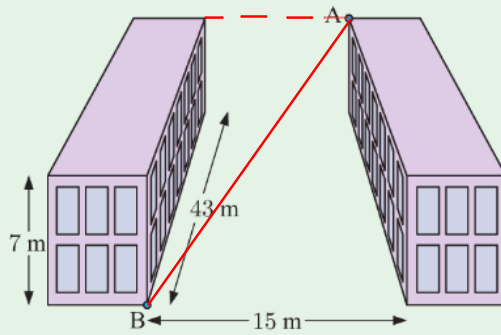
- 4 Find θ , the pitch of the roof.



- 5 Determine the area of the triangle:

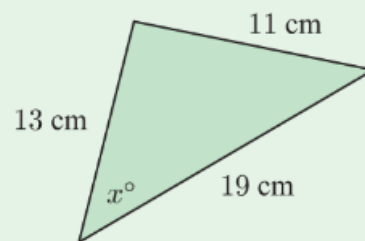


- 6** Two identical buildings stand opposite each other, as shown alongside. Find the angle of depression from A to B.

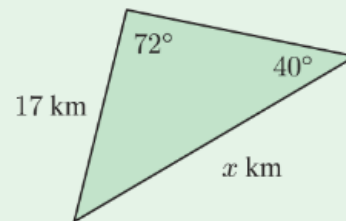


- 7** Determine the value of x :

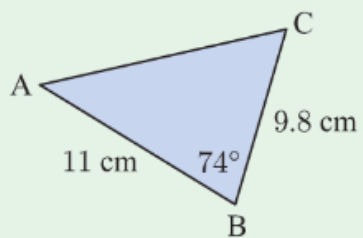
a



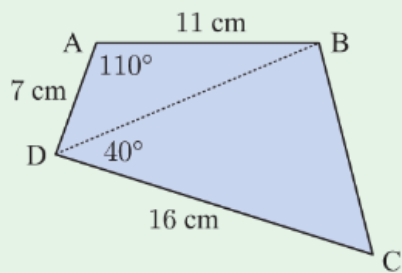
b



8 Find the unknown side and angles:



9 Find the area of quadrilateral ABCD:



Tools:

Angles of Elevation and Depression, p. 458

SOHCAHTOA, p. 447

Sine Rule, p. 471

Cosine Rule, p. 468 & 470

Area of Triangle, p. 466 (bottom)

HW: (More Trig. review)

15I p. 475, # 1 - 11

HW Quiz Tomorrow

pgs. 541, 59, 62, 336, 337, 341

and last week's Monday/Tuesday HW

pgs. 333, 345

(not the Geom. and Trig. review)